



SRX-PRO
DVMS SOFTWARE

SRX-PRO SERVER v. 3.0 QUICK USER GUIDE



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Note on Daylight Saving Time

Your unit is already configured for new Daylight Saving Time. If for any reason the time on your DVR is wrong, please contact your Loss Prevention Manager for help. Do not attempt to change the system time yourself.

Logging In & Passwords

The SRX-Pro video-recording software should be open and running at all times, but if it is closed, go the Desktop and double-click the *SRX-Pro Server* icon:



To log into the SRX-Pro Server, do the following:

1. Enter your assigned User Name and your assigned Password in the login window.

A screenshot of the login window. It has a dark gray background with white text. At the top, it says "Please enter user name and password". Below this are two white input fields: "User Name:" and "Password:". At the bottom, there are two buttons: "Login" and "Keyboard". A line points from the "Keyboard" button to the text "Use Virtual keyboard if necessary".

Use Virtual
keyboard
if necessary

2. Click **Login** or press **Enter** on your keyboard to continue. The Main Screen will appear.

Live/Search/Setup mode

The following buttons allow switching between Live, Search and Setup modes:



Live Mode - Allows viewing the live video.



Search Mode - Allows searching recorded video.



Setup Mode - Allows configuring SRX-Pro Server settings.

Screen Division Buttons



The screen division buttons allow you to display cameras on the main screen in a 4-, 6-, 9-, 10-, 13-, 16-, 25-, 32- or 64-division. The **Full Screen** button displays the live screen without user interface (no menu bars shown). To exit, press the **Esc** button on the keyboard.

Panic Button Record Feature



You can only use this feature if your DVR has an optical (CD-ROM) drive. A blank unformatted DVD-R must always be inside the DVD-ROM (if your DVR comes with it).

In case of an emergency situation, when the manager wants to back up the incident onto the DVD right away, the Panic button feature can be used.

After the emergency incident has occurred, click the **Panic** button.



This feature enables the DVR to record 10 minutes of video recording from all cameras onto a DVD-R in an i3 encrypted format. The recording will include 5 minutes of video **PRIOR** to and 5 minutes **AFTER** the Panic button being clicked. Therefore, the actual recording will start 5 minutes after the Panic button was clicked. It will be grayed out on the screen until the burning process has finished.

To make sure the panic backup is in progress, look at the bottom left-hand corner of the screen.

Storage: ■■■■■■■■■■ 45.45 %   **User : i3dvr**

The backup icon will appear and will remain on the screen until the backup is over. Wait for the **Backup Finish** message and click **OK**. Remove the DVD-R from the optical drive and replace it with the new blank unformatted DVD-R.

Searching Recorded Video

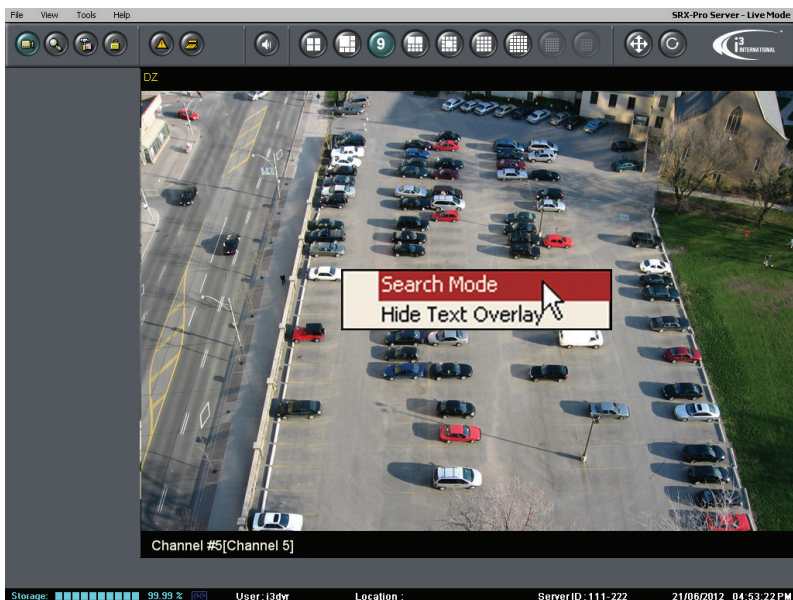
DVR/NVR technology allows you to access recorded video based on date or video channel. You may want to review video recorded in the past few minutes/hours or you may want to search for an incident that was recorded yesterday / last week or even month, when applicable. The instructions on the next page will show you how to review video recordings on your DVR/NVR system.

Single Camera Video Search (Live Mode)

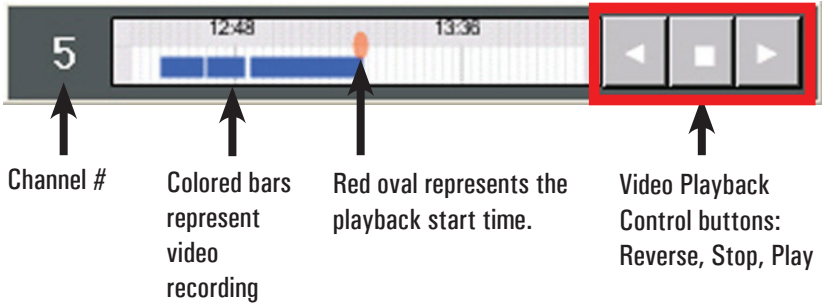
If an incident has just occurred and you would like to review recorded video on one of the cameras, follow these steps to search for the video recorded since 12AM of the current calendar day.

Note: To search for the video recorded earlier, please see the next section.

1. In the **Live** mode, locate the desired video channel. 
2. Double-click on the video image to bring it into Full Screen mode for best results. (This step is optional).
3. Right-click on the video image and select "Search Mode" from the context menu. (Context menu has been enlarged for demonstration purposes)



4. A 24-hour timeline will be displayed. The colored bars represent the video recording. The timeline is zoomed into for ease of use. To search beyond the time frame that is initially displayed on the time line, right-click on the time line and select Zoom Out option from the context menu. Repeat to fully zoom out.



5. Move your mouse cursor over the time line. Let your mouse cursor rest for a moment to view the exact time code of the spot where the cursor is pointing to. Position the cursor over the timeline and left-click to select the start time for the play back.
6. Click one of the control buttons to start viewing the video recording.



Click the **Play** button to start/resume playback. Click again to increase the playback speed (1X, 2X, 4X, 8X, 16X)

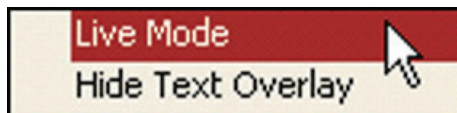


To stop playback, click the **Stop** button



Click the **Reverse** button to reverse playback. Click again to increase the playback speed (1X, 2X, 4X, 8X, 16X)

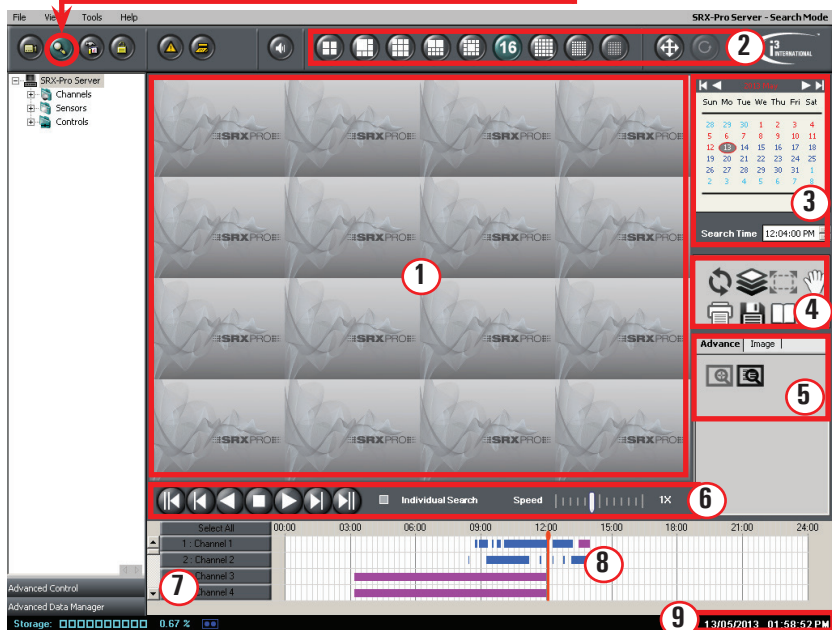
Once you are done viewing the video, you will want to return to the Live screen to continue viewing the live video stream from selected camera(s). To do so, right-click on the video image and select **Live Mode** option from the context menu. Finally, double-click on the video image to return to the split-screen mode.



Multi-Camera Video Search (Search Mode)

If an incident has occurred before 12AM of the current day or if you'd like to view recorded video from multiple cameras at the same time, follow the instructions below:

1. On the main screen, locate and click the **Search** button in the top left corner of the screen.
The Search window will be displayed.



- (1) Display Window
 - (2) Screen Division Panel
 - (3) Time Panel
 - (4) Tools Panel
 - (5) Advanced Search panel/ Image Settings Panel
 - (6) Playback Control Panel
 - (7) Channel selection for search
 - (8) 24-hour Timeline
 - (9) Current Time/Date
2. Select the cameras that you would like to search in the **Channel selection for search** area (7) by clicking on the corresponding buttons. Scroll to see additional channels past Channel 4. As you select the cameras for review, the channel buttons and their corresponding timeline row will be highlighted blue.

3. To view the video recording for a specific incident, please select the day the incident has occurred in the Calendar located in the **Time Panel (3)**.



The colored bars inside the **24-Hour Timeline (8)** represent video recording for each individual camera. The color of the bar indicates the type of video recording. Motion=Navy Blue, Continuous=Pink, Sensor=Orange, Sensor+Motion=Green, VideoLogix=Lime

4. After selecting the day of the incident, select the start time of the video recording on the Clock window located in the **Time Panel (3)**. Use keyboard or mouse cursor.



The days in red color contain video recording.
The days in blue color contain no video recording.
The day in a filled gray oval is the day selected for review.
The day circled with a red line is the current calendar day.

E.g. May 13, 2013 in the image is the current calendar day and is selected for review. May 1-12 all have video recording.



Search Time 01:20:00 PM

5. Once you've selected the incident's Date and Time, click the **Play** button on the **Playback Control Panel (6)** to start viewing the video recorded by the cameras you have selected in Step 4.



At any time during the playback, you can zoom into any of the selected cameras without interrupting the video playback. Simply double-click on the camera you'd like to bring to a Full Screen mode. When done, double-click again to go back to the split screen mode.

6. Use the **Playback Control Panel (6)** to navigate video playback. You can increase/decrease the speed of the playback by using the **Speed** slider, you may stop or reverse playback, or view video recording frame-by-frame.

Once you are done viewing the video, you may want to:

- I) go back to viewing live view recording. To do so, click the **Live View** button 
- II) stop playback and run another video search. To do so, click the **Stop** button  and then repeat Steps 2-6 of this section.
- III) run an Object Search on a selected camera or backup a portion of your video recording to a CD/DVD/USB, in order to present it to the law enforcement agent, for example.

Read the next two sections to learn how.

Object Search

Object Search allows looking for a change within a highlighted area of the camera field of view. This feature can save you many minutes/hours of viewing recorded video footage to find a specific incident. For example, Object Search will help you quickly find a video recording of a moment of when a car has parked on a reserved parking spot or when an object of interest (e.g. a display stand in a store) was moved. Follow these instructions to perform the Object Search:

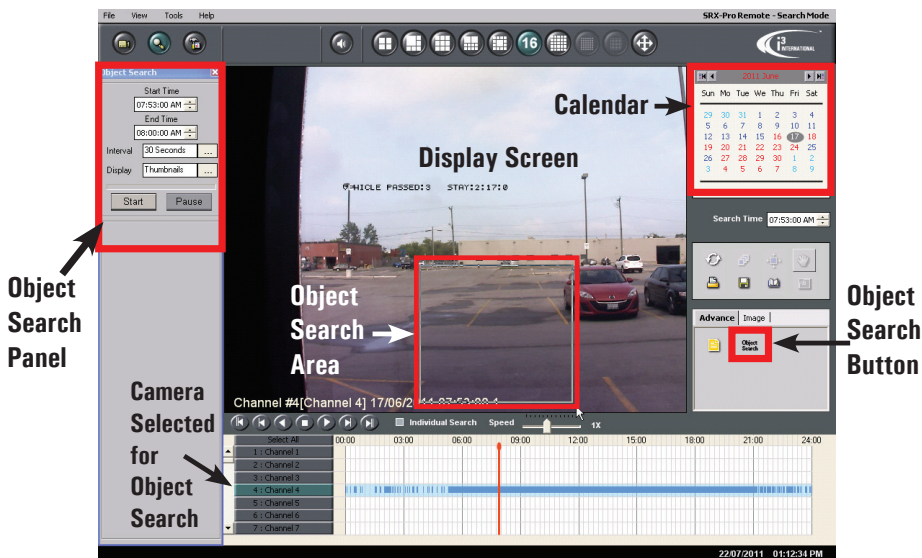


Object Search can be only performed on one camera at a time.
Object Search can be only performed within a single calendar day at a time.



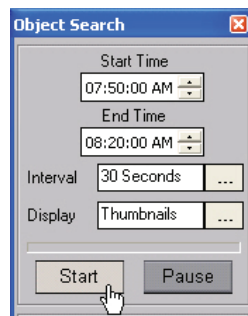
To narrow down your search, highlight only the area of interest.
The completed rectangle area can be re-sized or moved around on the screen.
Up to 8 (eight) search areas can be drawn.

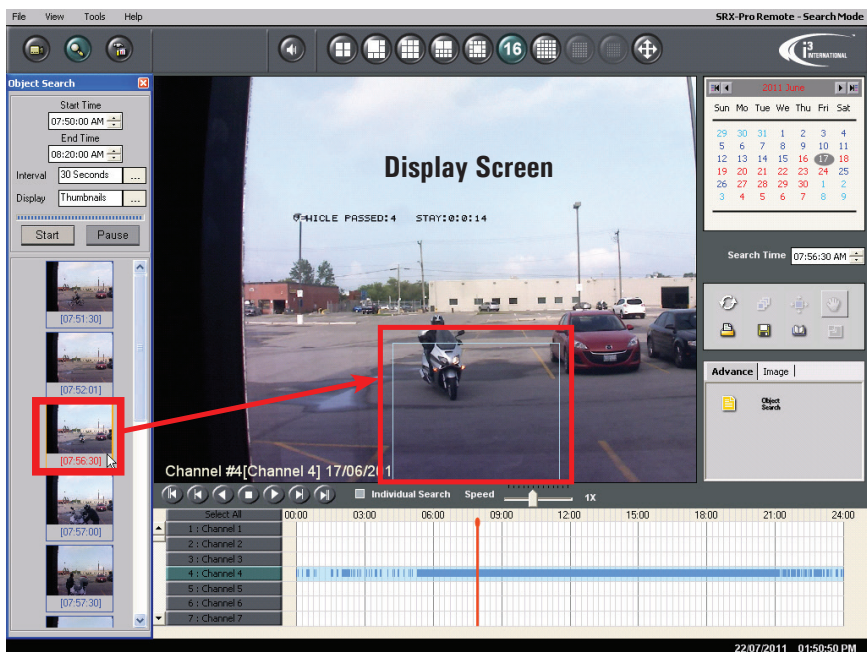
1. In Search Mode, select the day the incident has occurred in the Calendar located in the **Time Panel (3)**
2. Click the **Deselect All** button in the **Channel selection for search area (7)** and then select only the camera that you would like to perform Object Search on by clicking on the corresponding button. Scroll to see additional channels past Channel 7.
3. Double-click on the still video image of the selected camera in the split-screen mode to zoom into the selected camera. The selected camera will then be brought into Full Screen mode.
4. Click on the **Object Search** button in the **Advanced Search panel (5)**. The Object Search panel will be displayed on the left-hand side.
5. On the Display Screen, draw a rectangular area where the Object Search will be performed. To draw a rectangular area on the screen, position your mouse cursor over one of the corners, press and hold down the left mouse button, drag your mouse cursor in the desired direction until a rectangle has been drawn. Release the mouse button
6. In the Object Search panel, configure the **Start and End Time** for your Object Search. If you are able, narrow down the search time to a shorter period of time to reduce the Search time and the number of returned results. In our example, it is known that the motorcyclist parks in a reserved spot some time between 7:50AM and 8:20AM.



Only highlighted video area(s) will be processed during the Object Search, which allows for faster and more efficient search times.

7. Set the **Interval** if you do not want to check every video frame within the set time range (optional). This setting allows to further speed up the search and produces fewer search results. In our example, we will check for the changes within the highlighted video area only every 30 seconds during the set search time range.
8. Click the **Start** button in the Object Search panel to begin the Object Search. Thumbnails with search results will be displayed below. Wait until the Object Search is complete. Once the Object Search is done, you can scroll through the search result thumbnails below and view them in Display Screen by clicking on the individual thumbnails. In our example, we can see that the motorcyclist arrived around 7:56:30AM.





Once you have completed the Object Search, you may want to:

- I) go back to viewing live view recording. To do so, click the **Live View** button
- II) perform another Object Search. To do so, double-click on the Display Screen to go back to split screen mode and repeat Steps 2-9 of this section
- III) perform a video search. To do so, double-click on the Display Screen to go back to split screen mode and repeat Steps 4-8 of the **Multi-Camera Video Search (Search Mode)** section of this guide.
- IV) backup a portion of your video recording to a CD/DVD/USB, in order to present it to the law enforcement agent, for example. Read the next sections to learn how.

Video Backup

Occasionally you may want to save a portion of your video recording to a removable media, such as CD/DVD disk or a USB drive. To perform video backup, follow instructions below.



Connect your **USB drive to the USB port on the DVR**
or insert the disk into the **DVD drive**.

In Search Mode, click the Backup button on the **Tools panel (4)**.
The Backup Search Mode window will be displayed.



Incident Properties

Destination: Local Storage ... D:\3drv Backup\Clip 1.avi ...

Type: Video

Date/Time

Start Date/Time: 13/05/2013 01:30:00 PM

End Date/Time: 13/05/2013 01:35:00 PM

Channels | Video Settings

Select All

- ☒ 1. Channel 1
- ☐ 2. Channel 2
- ☐ 3. Channel 3
- ☐ 4. Channel 4
- ☐ 5. Channel 5

Backup Sessions

+ Add X Delete ▶ Start ■ Stop

Name	Start	End	Status	Format	Destination	Estimation Size
Clip 1	13/05/2013 01:3...	13/05/2013 01:3...	Ready	AVI	D:\3drv Backup\Clip 1.avi	

Update Help Keyboard Close



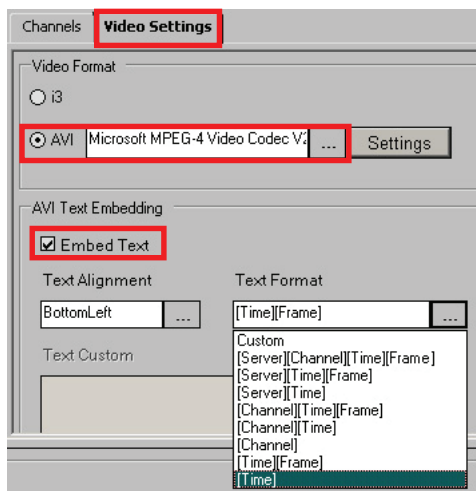
Use this diagram to help you follow along with the instructions
on the next page.

1. Start by configuring the **Start Date/Time** and **End Date/Time** of the video clip you would like to back up. ①



Be mindful of the length/size of the video recording backup. The longer the backup video recording, the bigger the file size will be and the longer the backup process will take. The AVI file size will depend on the resolution and frame rate settings as well as whether the scene recorded was static or included a lot of motion. On average, a standard 4.7 GB DVD-R disk should be able to fit several hours of Full HD video.

2. Next, select one or more video channels you would like to back up in the **Channels** tab. ② A separate backup file will be created for each camera you select. The start/end date and time of the backup will remain the same for all selected cameras.
3. Click on the **Video Settings** tab ③ and select AVI video format (as shown in the image below).

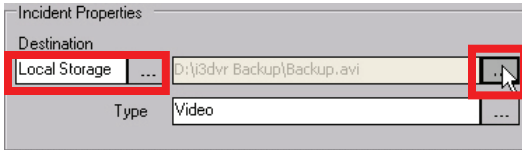


This step is optional. For the ease of identification, you may want to add a timestamp to your video backup clips. To add embedded text to your video backup, check off the **Embed Text** checkbox (as shown in the image above).

Select the text location in the **Text Alignment** menu and then select the type of text you'd like to add in the **Text Format** menu. You can add a timestamp only, or you can combine it with Server IP address, Channel name, and/or Frame count.

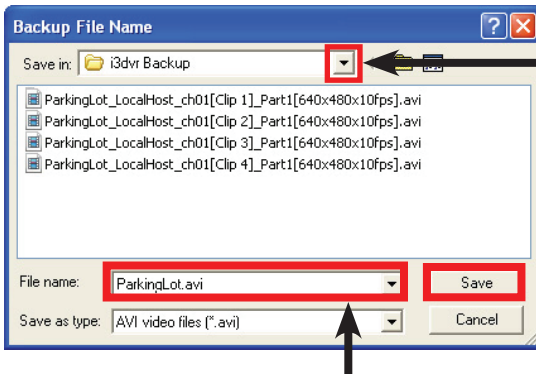
4. Set the backup **Destination** to **Local Storage** if you are burning the clip to the USB drive OR set the backup Destination to **CD/DVD** if you would like to burn the clip to CD/DVD disk. ④

5. If you selected **Local Storage**, select the exact backup location for your video: click on the button highlighted in the image below to select the drive and folder where the video clips will be saved to.
- The default backup location is D:\i3dvr Backup.



Click this button to change the drive/folder where your video backup clips will be saved to.

The **Backup File Name** window will pop up. In this window you will define the default location for all backup video clips as well as a default video backup clip name.

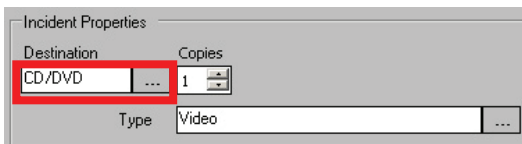


Click this button to locate the new folder where your video backup clips will be saved to. If you would like to save the backup clips to your **USB drive**, locate it in the drop-down menu.

Position the cursor inside the **File name:** field and type a new name for your video backup clip. Make it as descriptive as you want. It may be useful to include the video clip date/time, camera location and the incident name in the file name to help you identify it later. E.g. 2013May13-ParkingLot_UnauthorizedVehicle.avi
Click **Save** when finished.

Note that by default, your custom file name will be accompanied by channel number, Clip Name, video resolution and frame rate of the recording.

6. If you selected **CD/DVD**, you can set the number of copies to be made.
- By default, only 1 copy will be burned.



7. Click the Add  button to add the configured backup clip to the backup lineup. ⑤ Your Backup Sessions list will look something like this:

Backup Sessions						
 Add  Delete  Start  Stop						
Name	Start	End	Status	Format	Destination	Estimation Size
☒ Parking_Lot	15/05/2013 09:30:00 AM	15/05/2013 09:32:00 AM	Ready	AVI	G:\Parking_Lot.avi	
☒ Entrance	15/05/2013 09:33:00 AM	15/05/2013 09:35:00 AM	Ready	AVI	CD/DVD (1 copies)	

8. Click the Start  button to begin the backup process. ⑥
 The clip status will change from “Ready” to “Active: % completed” and to “Finished”. Wait until the backup clip status says “Finished”. Your backup is now complete.

Backup Sessions						
 Add  Delete  Start  Stop						
Name	Start	End	Status	Format	Destination	Estimation Size
☒ Parking_Lot	15/05/2013 09:30:00 AM	15/05/2013 09:32:00 AM	Finished	AVI	G:\Parking_Lot.avi	
☒ Entrance	15/05/2013 09:33:00 AM	15/05/2013 09:35:00 AM	Finished	AVI	CD/DVD (1 copies)	

If you were backing up video to a USB drive, safely disconnect it from your DVR.
 If you were backing up video to a CD/DVD disk, remove it from the DVD drive.

Once you have completed the Video Backup, you may want to:

- I) perform another backup. To do so, select and delete any backup clips you have already completed. Then, repeat Steps 1-8 of this section.
- II) go back to the Search mode to perform another video search. To do so, click on the **Close** button in the bottom right-hand corner to close the Backup Search Mode window. Then Steps 4-8 of the **Multi-Camera Video Search (Search Mode)** section of this guide.
- III) go back to viewing live view recording. To do so, click on the **Close** button in the bottom right-hand corner to close the Backup Search Mode window.

Then click the **Live View** button



Snapshot Backup

Occasionally you may want to save a video snapshot to a removable media, such as CD/DVD disk or a USB drive. To perform snapshot backup, follow instructions below.



**Connect your USB drive to the USB port on the DVR
or insert the disk into the DVD drive.**

In Search Mode, click the Backup button on the **Tools panel (4)**.



The Backup Search Mode window will be displayed.

Incident Properties

Destination
Local Storage ... G:\Snapshot 1.jpg ...
4 Type Snapshot ...

Date/Time
1
Date/Time 15/05/2013 09:36:00 AM

Channels Snapshot Backup 3
Select All
2
☐ 1. Channel 1
☒ 2. Channel 2
☐ 3. Channel 3
☐ 4. Channel 4
☐ 5. Channel 5

Image Properties
Frame #: 1
Resolution: 1920x1080 6

Backup Sessions 5
+ Add X Delete ▶ Start ■ Stop

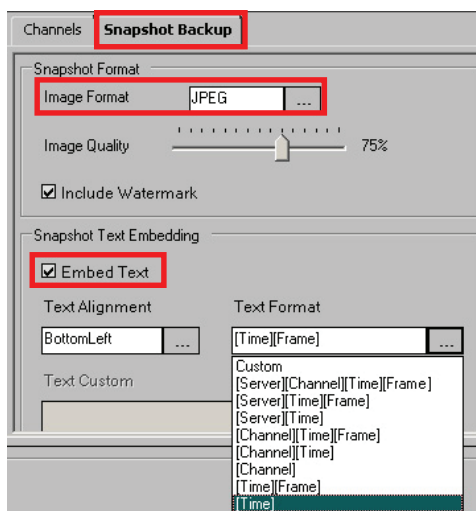
Name	Start	End	Status	Format	Destination	Estimation Size
Snapshot 1	15/05/2013 09:3...	15/05/2013 09:3...	Ready	JPEG	G:\Snapshot 1.jpg	

Update Help Keyboard Close



Use this diagram to help you follow along with the instructions on the next page.

1. Configure the **Date/Time** of the snapshot you would like to back up. ①
2. Next, select one or more video channels you would like to back up in the **Channels** tab. ② A separate snapshot file will be created for each camera you select. The date and time of the snapshot will remain the same for all selected cameras.
3. Click on the **Snapshot Settings** tab ③ and make sure JPEG format is selected (as shown in the image below).

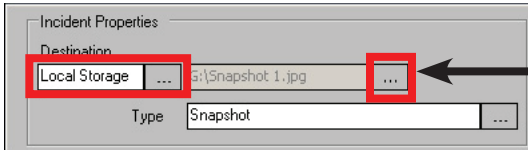


This step is optional. For the ease of identification, you may want to add a timestamp to your video snapshots. To add embedded text to your snapshot, check off the **Embed Text** checkbox (as shown in the image above).

Select the text location in the **Text Alignment** menu and then select the type of text you'd like to add in the **Text Format** menu. You can add a timestamp only, or you can combine it with Server IP address, Channel name, and/or Frame number.

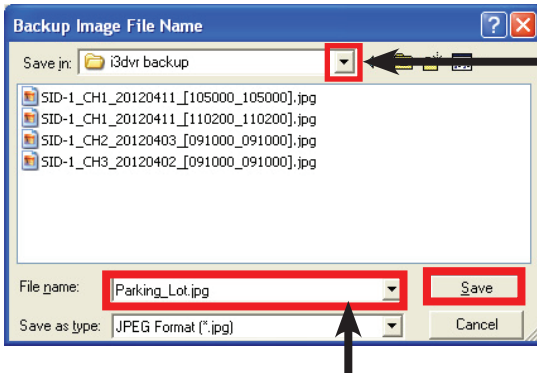
4. Set the backup **Destination** to **Local Storage** if you are burning the snapshot to the USB drive OR set the backup Destination to **CD/DVD** if you would like to burn the snapshot to CD/DVD disk. ④

5. If you selected **Local Storage**, select the exact backup location for your snapshot: click on the button highlighted in the image below to select the drive and folder where the snapshot will be saved to.
The default backup location is D:\i3dvr Backup.



Click this button to change the drive/folder where your snapshot will be saved to.

The **Backup Image File Name** window will pop up. In this window you will define the default location for all snapshots as well as a default snapshot file name.

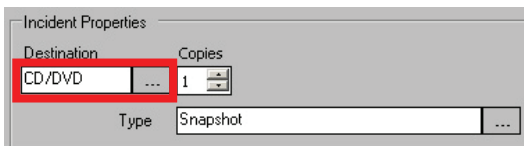


Click this button to locate the new folder where your snapshots will be saved to. If you would like to save the snapshots to your **USB drive**, locate it in the drop-down menu.

Position the cursor inside the **File name:** field and type a new name for your snapshot. Make it as descriptive as you want. It may be useful to include the snapshot date/time, camera location and the incident name in the file name to help you identify it later. E.g. 2013May13-ParkingLot_UnauthorizedVehicle.avi
Click **Save** when finished.

Note that by default, your custom file name will be accompanied by channel number, date and time.

6. If you selected **CD/DVD**, you can set the number of copies to be made.
By default, only 1 copy will be burned.



7. Click the **Add**  **Add** button to add the snapshot to the backup lineup. ⑤

Your Backup Sessions list will look something like this:

Backup Sessions						
 Add  Delete  Start  Stop						
Name	Start	End	Status	Format	Destination	Estimation Size
☒ Parking_Lot	15/05/2013 09:05:00 AM	15/05/2013 09:05:00 AM	Ready	JPEG	CD/DVD (1 copies)	
☒ Entrance	15/05/2013 09:07:00 AM	15/05/2013 09:07:00 AM	Ready	JPEG	G:\Snapshot 1.jpg	

8. Click the **Start**  **Start** button to begin the backup process. ⑥

The snapshot status will change from “Ready” to “Active: % completed” and to “Finished”. Wait until the status says “Finished” for all snapshots. Your backup is now complete.

Backup Sessions						
 Add  Delete  Start  Stop						
Name	Start	End	Status	Format	Destination	Estimation Size
☒ Parking_Lot	15/05/2013 09:05:00 AM	15/05/2013 09:05:00 AM	Finished	JPEG	CD/DVD (1 copies)	
☒ Entrance	15/05/2013 09:07:00 AM	15/05/2013 09:07:00 AM	Finished	JPEG	G:\Snapshot 1.jpg	

If you were backup up a snapshot to a USB drive, safely disconnect it from your DVR.

If you were backup up a snapshot to a CD/DVD disk, remove it from the DVD drive.

Once you have completed the Snapshot Backup, you may want to:

- perform another backup. To do so, select and delete any backup clips you have already completed. Then, repeat Steps 1-8 of this section.
- go back to the Search mode to perform another video search. To do so, click on the **Close** button in the bottom right-hand corner to close the Backup Search Mode window. Then Steps 4-8 of the **Multi-Camera Video Search (Search Mode)** section of this guide.
- go back to viewing live view recording. To do so, click on the **Close** button in the bottom right-hand corner to close the Backup Search Mode window.

Then click the **Live View** button



Naming Your Video Channels

For the ease of identification in Live and Search modes, you may wish to assign a descriptive name to your video channel.

1. On the main screen, locate and click the **Setup** button in the top left corner of the screen.

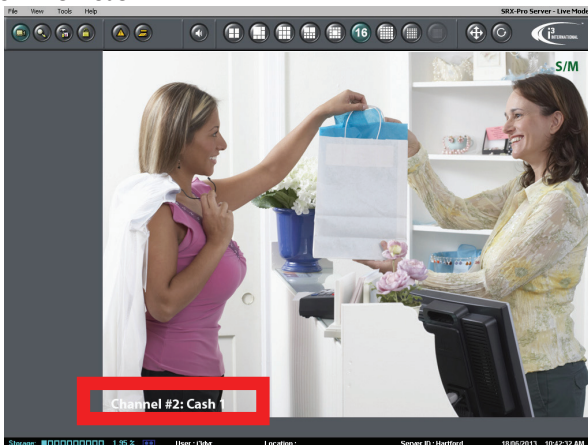
The Setup window will be displayed.



2. In the Channels section, position your cursor inside the Name field for the channel you would like to name. Enter a descriptive name, such as "Main Entrance", "Cash 1", "Manager's Office", etc. Repeat for all desired channels
3. Click the Save button in the bottom right corner to save all changes.

Channels									
☒ All	Cam.ID	Name	Video	Audio	PTZ	Camera Type	A/P	Dwell	
☒ 1	0	Main Entrance	Input 1	NONE	NONE	NONE		30	
☒ 2	0	Cash 1	Input 2	NONE	NONE	NONE		30	
☒ 3	0	Cash 2	Input 3	NONE	NONE	NONE		30	
☒ 4	0	Customer Service	Input 4	NONE	NONE	NONE		30	
☒ 5	0	Produce Area	Input 5	NONE	NONE	NONE		30	
☒ 6	0	Cleaning Supplies	Input 6	NONE	NONE	NONE		30	
☒ 7	0	Manager Office	Input 7	NONE	NONE	NONE		30	
☒ 8	0	Parking 1	192.0.0.40:80 IP	NONE	NONE	NONE		30	

4. The channel's custom name will be displayed as text overlay in the bottom left corner on Live mode.





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